



COLORADO SPRINGS,
COLORADO

March 1993

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Pikes Peak Radio Amateur Association, Inc.
P. O. Box 16521
Colorado Springs, Colorado 80935

FIRST CLASS MAIL



Ø BEAT



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ZERO BEAT is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., P.O. Box 16521, Colorado Springs, Colorado 80935. For membership and subscription information see last page of this publication. The Pikes Peak Radio Amateur Association meets on the second Wednesday of each month at the Elk's Lodge, 3400 North Nevada Ave. at 7 p.m.

EDITOR: Ron Deutsch NØP 4305 Ridgeline Drive, Colorado Springs, Colorado 80918 (719) 593-8352.

Deadline for submission of articles or ads is the 21st of each month. Submissions may be sent to the editor or to the club mail box. Permission to reprint articles is granted provided credit is given to both the author and this publication.

ADVERTISING RATES: Full page \$48; half page \$24, quarter page \$12, business card size \$6. These are monthly rates and are billed quarterly. Send your ad requests and payments to: P.O. Box 16521, Colorado Springs, CO 80935.

From the Treasurer...

There has been some concern about the drastic drop in the Association's account at the first of the year. A review of the past years records indicate that this activity is normal for this period (due to first of year expenses: liability insurance \$308, raffle license renewal \$62.50 and Etc.). Last years balance had dropped to \$358.33 on 15 January. We were somewhat earlier in our drop this year - \$169 balance on 19 December. This was due to the \$350 deposit placed on the City Auditorium for the Hamfest. As you can see, we are actually somewhat better-off this year when you consider the added expense of the deposit.

It should be noted that Rosie, WAØMNL, put aside \$1500 into our savings account to provide "seed" money for the Hamfest. This money was intentionally left in savings to draw the last quarters interest instead of withdrawing the amount required to cover the deposit and license renewal. Recently, \$1000 was transferred to cover the purchase of the Hamfest grand prize (ICOM 725) and other prizes. At this time we have spent \$987.85 for Hamfest expenses (incl the deposit and license).

Our balance, as I write this (13 Feb 93), is \$777.89 (thanks to those members that have brought their dues up-to-date, and the "Ø Beat" advertisers). Our monthly "Ø Beat" publishing costs average about \$250 - our present balance will provide about three months.

Please don't forget your dues.

Tom, NØNTX

You Know You're a Ham When ...

by Alan, VE3XAG

- You mentally undress your rig
- You'd rather turn on your rig than your spouse
- Your idea of high fashion is a baseball cap with call letters
- Your shack looks like a shack
- You say "hi" after you tell a joke
- Your idea of sightseeing is checking roof-tops for antennas
- You consider your HT a better status symbol than a portable cellular phone

from the December '92 Dayton (Ohio) ARA
RF Carrier—Jim Nies, WX8F Editor

Unenlightened

DUE TO THE CURRENT DIFFICULT FINANCIAL SITUATION, THE LIGHT AT THE END OF THE TUNNEL HAS BEEN TURNED OFF.

from the April '92 'WBVM Log,' the newsletter of the West Park Radios of Cleveland, OH

ARNS

Board Meeting, Feb 11, 1993

The meeting was held at the QTH of Ron and Liz. The meeting was called to order by President Luci, NØOUD at 7pm. The following were present: Luci, NØOUD, Tom, NØNTX, Bill, NØNJX, Rosie, WAØMNL, Russ, KBØFNM, Steve, WB7VHR, Steve, KØCI, Ron, NKØP, Liz, NØTUK, and Al, NØCMW.

The Board approved the spending of \$5.00 for a table rental at the March 7 Swapfest. Tickets for the Colorado Springs Swapfest will be sold from this table.

Prizes for the Colorado Springs Swapfest are almost lined up.

Picnic and Field Day reservations at the Air Force Academy have been made and have been paid for.

The calendar will continue to run in Ø-Beat. The Ø-Beat editor gets magazines and newsletters which could be of interest to other Club members. The head of the Falcon Wanderers would like to be included in the Newsletter.

The month of expiration is highlighted on each newsletter's mailing label. There will be a one month grace period after the expiration.

The Board members had a lengthy discussion about the upcoming classes and possible financial support for these classes.

The Board approved the acceptance of donations from Club members during the regular monthly meetings.

The next Board Meeting will be March 14 at 3pm at the QTH of Steve, WB7VHR

Submitted by Liz, NØTUK, PPRAA Secretary

General Meeting, Feb 10, 1993

The meeting was called to order at 7pm by President, Luci, NØOUD.

The minutes of the January meeting were approved as published in Ø-Beat.

Education. Classes are scheduled to start in March at the T. J. Max center.

Interference. There was one episode of interference being investigated by Bill, NØNJX.

ARES. The times and locations of the weekly nets were reviewed.

Public Service. There have been many requests for assistance. Several more volunteers are needed for the April 17 Project Concern Walk. Other activities for which volunteers may be needed are; MS Super Cities Walk, March 27, Pikes Peak Hill Climb, World Police and Fire Games and Field Day.

Skywarn. Thanks go to Frank NØIEM who fixed the step. Skywarn training will be held during the April meeting.

City Ordinances. There are apparently no actual changes in the City ordinances related to Ham Radio towers/antennas. The specifics will not be available until May.

Treasurer. Previous Balance:	189.00
Income	514.46
Balance	425.21

CCARC. The next meeting is in Aurora on April 10. Frank, KFØWF, will now be a co-delegate.

The public address system was discussed. It apparently still falls in the category of "prohibited" communications related to "everyday business".

The details of the Swapfest were discussed. Volunteers will be needed. N7OGL will be taking table reservations.

Hammy was awarded to Jody, KAØROZ.

Steve KØCI gave a presentation on lightning safety.

Submitted by Liz, NØTUK, PPRAA Secretary.

Kudo Korner

Thank you to Charlotte Kaltenstein, XYL, NØIEM, for the donation of the Christmas party snowman given away at the December PPRAA meeting.

THE CONSIDERATE OPERATOR'S FREQUENCY GUIDE

Freqs generally recognized for certain modes
or activities (all in MHz):

160 MTRS

1.800-1.830 CW, RTTY and other narrowband
modes
1.830-1.840 CW, RTTY and other narrowband
modes, intercontinental QSOs only
1.840-1.850 CW, SSB, SSTV and other
wideband modes, intercontinental QSOs only
1.850-2.000 CW, phone, SSTV and other
wideband modes

80 MTRS

3.590 RTTY DX
3.606 Packet
3.610-3.630 RTTY
3.630 Packet
3.642 Packet
3.790-3.800 DX window
3.845 SSTV
3.870 AM calling freq
3.880 AM calling freq
3.885 AM calling freq

40 MTRS

7.040 RTTY DX
7.080-7.100 RTTY
7.090-7.100 Packet
7.160 AM
7.171 SSTV
7.195 AM
7.290 AM

30 MTRS

10.140-10.150 RTTY
10.145-10.150 Packet

20 MTRS

14.070-14.099.5 RTTY
14.100 NCDXF beacons
14.101-14.110 Packet
14.230 SSTV

17 MTRS

18.100-18.110 RTTY
18.100-18.110 Packet
18.150 AM calling freq

15 MTRS

21.099-21.105 Packet
21.070-21.100 RTTY
21.340 SSTV
21.400-21.450 AM

12 MTRS

24.920-24.930 RTTY
24.985 AM calling freq

10 MTRS

28.070-28.150 RTTY
28.099-28.105 Packet
28.190-28.225 Beacons
28.680 SSTV
29.000-29.200 AM
29.300-29.510 Satellite downlinks
29.520-29.580 Repeater inputs
29.600 FM simplex
29.620-29.680 Repeater outputs

6 MTRS

50.4 AM calling freq
50.60-51.78 Packet
50.62 Packet calling freq
50.125 SSB calling freq

2 MTRS

144.2 SSB calling freq
144.4 AM calling freq
144.91-145.09 Packet (every 2 kHz)
145.50-145.80 Packet
146.52 National simplex calling freq

222 MHz

223.52-223.64 Packet

NOTES:

Packet is used on the 420, 902 and 1240-MHz bands, but bulletin boards (PBBs) and live QSOs are sporadic. Most activity on the higher bands is in the form of backbone links that pass traffic between PBBs and nodes, although some high-speed TCP/IP switches and repeaters operate on these bands and allow 9600-baud (and faster) user access. Check with your local packet groups. Avoid backbones; they're not intended for single-user access.

AM frequencies are listed in current issues of *Electric Radio*, a magazine devoted to coverage of vintage communications equipment and AM operation.

ARRL band plans for freqs above 28.30 MHz are shown in the ARRL Repeater Directory and the FCC Rule Book.

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March 1993

PIKES PEAK RADIO AMATEUR ASSOCIATION

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 8:00pm SCTN 146.97	2 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	3 8:00pm SCTN 146.97	4 8:00pm SCTN 146.97	5 8:00pm SCTN 146.97	6 7:00am Village Inn Breakfast 8:00pm SCTN 146.97
7 COLORADO ARES NETS 6:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	8 8:00pm SCTN 146.97	9 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	10 7:00pm PPRAA MEETING ELK'S CLUB 7:00pm PPRAA MEETING Program-Satellite Operations 8:00pm SCTN 146.97	11 8:00pm SCTN 146.97	12 8:00pm SCTN 146.97	13 7:00am Village Inn Breakfast 10:00am Fox Hunt 8:00pm SCTN 146.97
14 COLORADO ARES NETS 3:00pm PPRAA Board Mtg (WB7VHR) 6:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	15 8:00pm SCTN 146.97	16 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	17  ST. PATRICK'S DAY MARC Meeting (146.82) 8:00pm SCTN 146.97	18 RACES Training OM/YL Lunch Bunch 8:00pm SCTN 146.97	19 8:00pm SCTN 146.97	20 7:00am Village Inn Breakfast 8:00pm SCTN 146.97
21 COLORADO ARES NETS 6:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	22 0-Beat Deadline 8:00pm SCTN 146.97	23 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	24 8:00pm SCTN 146.97	25 8:00pm SCTN 146.97	26 8:00pm SCTN 146.97	27 M. S. Super Cities Walk 7:00am Village Inn Breakfast 8:00pm SCTN 146.97
28 COLORADO ARES NETS 6:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	29 8:00pm SCTN 146.97	30 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	31 8:00pm SCTN 146.97			

February

S	M	T	W	T	F	S
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28						

April

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11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

April 1993

PIKES PEAK RADIO AMATEUR ASSOCIATION

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

				1 8:00pm SCTN 146.97	2 8:00pm SCTN 146.97	3 7:00am Village Inn Breakfast 8:00pm SCTN 146.97
4 COLORADO ARES NETS 8:00am Longmont Swapfest (NONMD) 6:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	5 8:00pm SCTN 146.97	6 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	7 8:00pm SCTN 146.97	8 8:00pm SCTN 146.97	9 8:00pm SCTN 146.97	10 Falcon Wanderers (NORNQ) 7:00am Village Inn Breakfast 9:00am VE Test (KD0SU) 10:00am Fox Hunt 8:00pm SCTN 146.97
11 COLORADO ARES NETS 6:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	12 8:00pm SCTN 146.97	13 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	14 7:00pm PPRAA MEETING ELK'S CLUB 8:00pm SCTN 146.97	15 8:00pm SCTN 146.97	16 8:00pm SCTN 146.97	17 7:00am Village Inn Breakfast 8:00pm SCTN 146.97
18 COLORADO ARES NETS 6:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	19 8:00pm SCTN 146.97	20 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	21 0-Beat Deadline 8:00pm SCTN 146.97	22 8:00pm SCTN 146.97	23 8:00pm SCTN 146.97	24 7:00am Village Inn Breakfast 8:00pm SCTN 146.97
25 COLORADO ARES NETS 6:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	26 8:00pm SCTN 146.97	27 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	28 8:00pm SCTN 146.97	29 8:00pm SCTN 146.97	30 8:00pm SCTN 146.97	

March

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21	22	23	24	25	26	27
28	29	30	31			

May

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2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

MONTHLY EVENT CALENDAR

2/26/1993

New Element Discovered

FCC physicists have discovered a new element—the heaviest yet. Tentatively named Administratium, it has no protons or electrons, so its atomic number is zero. Administratium thus falls outside the normal pattern of elements in the Periodic Table.

Administratium does have a neutron—just one—along with 125 assistant neutrons, 75 vice-neutrons and 11 assistant vice-neutrons, for a total atomic mass of 312. The 312 nuclear particles are held together by the continuous exchange of meson-like “communication packets” called memos.

Lacking electrons, Administratium is chemically inert. Even so, it can be detected chemically; it impedes every reaction in which it is present. According to its discoverers, even a minute amount of “Ad” slows reactions from seconds to days.

Administratium has a half-life of three years. Unlike radioactive elements, it doesn't decay; it reorganizes. Some vice-neutrons become assistants and vice-versa. Administratium's mass increases with each reorganization, a peculiarity that isn't fully understood.

Another peculiar property is that the more closely one tries to observe the motions of vice-neutrons inside Ad, the more uncertain these motions become.

Laboratories around the world confirmed Administratium's existence soon after its discovery. A team of University of Utah physicists held a press conference to announce their synthesis of Administratium in room-temperature fusion reactions.

They monitored the reaction using a sophisticated device that quantifies streams of memos emitted by a high-speed FAX. Called a FUBAR, the instrument registered more memos being emitted by Administratium at room temperature than were consumed by the reaction.

The FCC and the Media Administration Division (MAD) of the University of Utah both promise more information soon.

from the Westlink Report, 28 June 1991

Dark Computer

The Motorola Lunch Bunch announces a technological breakthrough destined to eclipse the recently announced “Light Computer.” The MLB Dark Computer resulted from years of research and development in Motorola's underground laboratories. It's faster than light computers because dark travels faster than light (before light gets anywhere, dark is already there).

The Dark Computer exploits a special property of the newly discovered subatomic particle, the dark quark; when two dark quarks combine, they form the basic particle of darkness, the offon.

Also, three dark quarks can combine to form the elementary particle of management, the moron, but this reaction is avoided whenever possible.

The Dark Computer's minimal power requirements are met by a lunar cell (similar to a solar cell, but efficient in high-dark conditions).

Complete software, developed at the Arizona School of Mimes night school, comes with each Dark Computer. The software includes DOS (Dark Operating System), Lunar-C (a twilight-zone compiler), Duakbase-V (an

irrational database), and Nada (an objection-oriented programming language).

Some of the Dark Computer's special hardware features:

- Multiple registers for right shift, left shift, night shift, and red shift.
- A one biggabyte memory—shadow RAM with dissociative outta-cache.
- A music synthesizer with built-in demonstration tunes: Moonlight Sonata, Dark Eyes, and In the Still of the Night (no, that's not a hillbilly drinking song).
- Surreal-time clock with granularity of 28 days—one lunar tick.
- A million-DED (dark emitting diode) display.
- An optional interface, the MLB Holstein (we're milking this), which increases the Complex Orthogonally-Weighted FLoating Operations Per Second (COWFLOPS).

Apologies are due Motorola, Inc.

from the December '91 ARNS Bulletin (a classic—hope many of you haven't seen it before—ed.)

Wanted—Dead or Alive

A reward of 500 micro-Farads is offered for information leading to the arrest and conviction of Hopalong Capacity. The unrectified criminal escaped from the Weston Primary Cell, where he had been clamped in ions awaiting the Gauss Chamber.

He is charged with the induction of an 18-turn coil, Milli Henry, who was found choked and robbed of her Joules. Armed with a battery of carbon rods, Capacity is a potential killer.

Hopalong Capacity is also charged with driving a DC motor over the Wheatstone Bridge and refusing to let the band pass. Be

careful not to put him in a trap, as in reactance he may offer series resistance.

The Electromotive Force spent the night searching for him in a magnetic field, where he had gone to earth. They failed to detect him and now believe Capacity returned ohm via the short circuit.

He was last seen riding a kilocycle with his friend Eddy Current who was playing *Ohm on the Range* on his harmonic.

from the Navy-Marine Corps MARS newsletter, 'The NCA 1/2 Watt,' submitted to the Sierra Intermountain Emergency RA 'SIERA' by Bob Andrews, W6ITH

A MEDICAL MAYDAY FOR ARES

by

Ivan L. Hickman, NØMIX

It was a peremptory telephone call to which Jim Neal, WDØCDC, responded this quiet Sunday morning. The switchboard operator on duty at Memorial Hospital was reporting that the Colorado Springs, Colorado medical facility's telephone system had just become inoperative. The time was 7:30 a.m., March 1, 1992 and the operator was using a pay telephone to make the call. Recognizing a real crisis in the making, Neal, Memorial's facilities management administrator, wasted no time in contacting Don Fuhs, KEØCQ, one of his assistants. In this instance, it was fortunate that both Neal and Fuhs were amateur radio operators. It was obvious that this was a situation to which the local ARES/RACES could effectively respond and Don immediately contacted Doug Moloney, WBØMHP, RACES Officer for El Paso County, via a local repeater autopatch. At this time, Moloney was in communication with Mike Stansberry, KØTER, District 14 ARES Emergency Coordinator, and John Chapman, NØKIC, Stansberry's assistant.

Moloney started a net on a repeater at 8:25 a.m. while Stansberry and Chapman initiated the ARES call-up by telephone. During the initial call-up, Chapman, Moloney and Stansberry maintained contact with each other on packet radio and FM voice. Chapman relieved Moloney as net control at 8:35 a.m., at which time Moloney contacted Frank Luciani, manager of the office of emergency management for El Paso County, informing him of the situation. Colorado Springs officials were also notified. ARES members began reporting to Stansberry by repeater; a total of 59 ARES and RACES members were ultimately involved. Forty-two were assigned to departmental positions within the hospital by Fuhs; 12 additional members who checked in were placed on standby. The remaining five were officers operating net controls and doctors' liaison.

The first operators arrived at Memorial at 8:45 a.m. and began providing interdepartmental communications from Emergency. As soon as others arrived, they went immediately to their assigned locations and all stations were soon covered. Colorado Springs is fortunate in having nearby mountains which provide advantageous locations for VHF and UHF repeaters. The two primary facilities serving this area are NØCAM, 147.345 MHz and KEØJEA, 146.970 MHz. Both are located just to the west and with their comparatively high elevations, provide remarkably extensive coverage. In addition, Memorial Hospital operates a repeater, KBØNN, 147.135 MHz with its antenna strategically mounted on the hospital roof. These three units were used extensively during the six-and-one-half hours that Memorial telephones were down.

At 9:30 a.m., Moloney dispatched Mark Hatcher, NØNKA, with El Paso County's portable packet to the hospital to set up a digital link to the administrative net control. The purpose of the packet was to pass names and calls of the amateurs working at the hospital to assess resources being used, and to determine if additional personnel were needed. In order for the portable packet to work from the main entrance to the administrative net control, a portable packet digital repeater was set up in the parking lot by David Blair, WBØRRU. When Blair was forced to leave, Dennis Tracey, NØNKN relieved him. Both operators used their own equipment.

The logistics/administration net, providing net liaison, was established in emergency on the 146.970 MHz repeater soon after the ARES/RACES operations began. In addition, an internal net control, providing communications between departments, was established in emergency, monitored by Bruce Lepley, KBØFEL, on the hospital repeater, 147.135 MHz. Simplex operation was not effective, considering the massive interior structure of the hospital building, but the low powered hand-helds the amateur operators were using worked very well with the repeater. In the majority of instances, operators relayed information received to the medical personnel in the department they served, but it was not unusual, with the licensed operator controlling, for doctors and nurses to speak directly to each other.

Around 20 hospital locations were manned by amateurs. They were dispersed to all nursing floors, critical care units, the laboratory, radiology, pharmacy and other departments when needed. One of the mountain repeaters, 147.345 MHz, which had auto patch capability, was used by amateurs for telephone contacts outside.

Sharon Warnock, NØNRA, a registered nurse, was located outside the hospital, receiving incoming telephone calls from doctors and relaying messages to and from the hospital by amateur radio. If a doctor was needed at the hospital, an amateur would call the doctor's answering service by way of autopatch and leave Warnock's telephone number for his return call. In addition, several doctors offered their portable cellular telephones to the hospital for critical calls. In many instances these cellular phones were made available to the floor nurses or other medical personnel who needed to talk directly to a doctor.

Amateur radio operators handled all communications that normally would have constituted telephone traffic. Examples of the types of information passed were; lab results to doctors on various floors; radiology results; requests for phlebotomists; and bed availability for the admissions desk. Amateurs also notified families by way of the autopatch when patients were being discharged.

Don Fuhs, who, in addition to his hospital position is also the alternate RACES Officer for El Paso County, had supervised the installation of a sophisticated computerized telephone system just a couple days before. He was primarily concerned all day Sunday in locating the trouble and making sure the system came back on line as soon as possible. A malfunctioning hard disk on the hospital computer was found to be the culprit and a new one was installed.

Reprogramming was completed at 2:10 p.m., at which time the emergency was over. During the entire ordeal, Neal provided liaison between amateurs and hospital personnel on the hospital repeater. In addition, he monitored the hospital commercial frequency, 154.980 MHz. Neal and Fuhs obtained permission some years ago to install the repeater at Memorial Hospital and had discussed the possibility that one day the installation might come in handy in the event of a medical

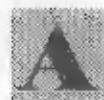
emergency. It is indeed ironic that when the emergency occurred, the hospital repeater, out of order for months from a lightning strike, had been repaired just a short time before and was back in operation at the time it was needed.

Ed Arangio, a spokesman for Robert Peters, Executive Director of Memorial Hospital, reported that hospital personnel all were thankful that amateur radio operators were available to help in a situation that could have seriously affected the facility's ability to provide medical care. Hospital employees and ham operators worked together remarkably well, according to Peters. They communicated effectively and patient care was not significantly impeded.

Arangio pointed out that ambulance service was not adversely affected by the telephone outage. The hospital emergency room and trauma center have specially designated telephone lines to Memorial's ambulance service, which are separate from the hospital's computerized system. They remained operative throughout the ARES operation and were used on more than one occasion to expedite transportation of patients to Memorial. Most of the hams who participated in this operation are members of the Pikes Peak Radio Amateur Association, a progressive club consisting of some 270 members.

Call signs of those who served on March 1 follow: KBØFNM, KBØIAP, KC4KGS, KEØCQ, KFØQW, NØEPF, NØIKF, NØJLH, NØLUF, NØNKA, NØNKN, NØOAI, WØRTB, WAØMNL, WA7VVA, WBØDUM, KØROL, KA9SIM, KBØFEL, KDØSU, KE9S, KFØWF, NØEPF, NØHSM, NØION, NØNIY, NØNKG, NØNTX, NØOPS, NØOPW, NØOUD, NØPRZ, NØPSA, NØQWU, NØRBI, NØWYI, WØRW, WØULE, WBØIMH, WBØRCF, WBØRRU, WBØWVS, KØTER, NØKIC, WBØMHP, WB7VNF, NØNRA, KØCI, KØEZW, KFØLM, KW4O, NØOPT, NØPRU, NØPSB, NØQJS, NXØE, WAØZTI, W9MHL, WBØDUL.

QST QST QST



nyone interested in attending a weekend Technician class? The UARC (UCCS Amateur Radio Club) is considering sponsoring a weekend class for anyone interested in obtaining a Technician level ham radio license. The time and format of this class is not yet determined and will depend on the response of interested parties.

If you are interested contact Haze Hutmacher, NØKIB, President of UARC at 531-6436.

DITS AND BITS

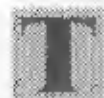
Wanted:

Old AM/CW or AM/CW/SSB HF transmitter and/or receiver, working or not. 200 watts plus. Bigger is better. Military, home-brew, or ?? John, WBØMHA, 495-0553

QST:

Anyone interested in participating in the Falcon Wanderers contact Bob Nyman, 574-5161

OM/YL Lunch Bunch



here were 10 Chow hounds who attended the luncheon at the Country Harvest Buffet February 18th. After a most enjoyable lunch, a demonstration of "HUGS" was scintillatingly presented by Rosie, WAØMNL, and Russ, KBØFNM, and narrated by Connie, KAØPXE.

The Chow hounds will meet again at the Home Town Buffet in the Shops at the Bluffs, at 11:30 AM, Thursday, March 18, 1993, so any and all friends and guests join in.

73's, Rosie, WAØMNL, The Cured Ham

Swapfest Information

Swapfest Boutique:

It is not too early to think about the Boutique at the Swapfest in May. All items may either be brought to any Club meeting, or if you will call either Faye, KBØQI, at 632-4574, or Connie, KAØPXE, we will be available to pick them up, or have you drop them off at either of our houses. Thanks...Connie, KAØPXE

Pacemaker Users Beware!

by David M. Barton, AF6S

A story in the Cortland Forum by ham Maria L. Evans (the article neglected to give her callsign, of course), an M.D., tells of her fellow ham's experiencing a "syncopal episode" the first time he used a new linear amplifier on forty meters.

Later, the same ham had another "spell" in his hamshack, while his ham son-in-law was transmitting with the linear. Hearing the story, Dr. Evans made the connection. RFI from the kilowatt caused the pacemaker problem. RF fields from the ham's former power level, 100 Watts, apparently didn't affect the device.

The ham wisely decided 100 Watts would henceforth be enough for him! He sold his linear and has experienced no pacemaker problem since.

Lee Knirko, W9MOL, submitted the source article to the ARNS Bulletin.

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RACES	Doug Moloney	unlisted
ARES	John Chapman	635-1604
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Club Trailer	Steve Westby	570-1070
Newsletter	Ron Deutsch	593-8352
Club Historian	Al Craig	594-9288
Swapfest	Doug Paris	495-9346

PPRAA Annual Hamfest
May 15, 1993
City Auditorium

Tables \$10.00

Chairman: Doug Paris,
N4TGO, 495-9346

Tables, Dennis, N7OGL,
630-0704

Watch here for details!!!

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